

Permit No.	Date	Document ID No.
44-07	July 7, 2010	11064

Gaither, Allen

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Sent: Friday, July 02, 2010 2:35 PM
To: Keller, Andrea; Gaither, Allen
Cc: sking@haywoodnc.net; 'Denese Ballew'; mstamey@haywoodnc.net; jeff.bishop@mcgillengineers.com; mark.cathey@mcgillengineers.com; dave.pasko@mcgillengineers.com
Subject: Facility Compliance Audit Report - June 11, 2010
Attachments: McGill logo & text medium.jpg; Response to NCDENR on Exposed Waste.pdf

Andrea and Allen,

The attachment to this e-mail describes Haywood County's plan of action to address the apparent exposed waste along the Phase 2/Phase 3 interface. This plan of action is being submitted in response to the STATUS OF PAST NOTED VIOLATIONS, ONGOING: 15A NCAC 13B .1626 (2)(c) for failure to replace the minimum of one foot of intermediate soil cover over exposed waste resulting from activities in August 2009 referenced in the June 11, 2010 Facility Compliance Audit Report. The attachment includes a written description of the actions to be undertaken by the County along with two details depicting a general plan view and cross section of the proposed corrective measures. The layout, elevations, slopes, etc. will be determined in the field based on actual conditions encountered.

We trust this plan of action will be satisfactory to the Department.

Other issues and/or areas of concern/comments noted in the June 11, 2010 Facility Compliance Audit Report are being addressed and will be submitted to the Department under separate cover.

Thanks for your attention to this matter and should you have any questions or require additional information relative to this attached plan of action please give me a call at (828) 252-0575 (office) or you can reach me on my cell phone at (828) 713-2251.

Thanks, Bill Sperry



Bill Sperry, PE

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**HAYWOOD COUNTY MSW LANDFILL
PERMIT # 44-07
HAYWOOD COUNTY, NORTH CAROLINA
FACILITY COMPLIANCE AUDIT REPORT
June 11, 2010**

STATUS OF PAST NOTED VIOLATIONS:

***ONGOING:** 15A NCAC 13B .1626 (2)(c) for failure to replace the minimum of one foot of intermediate soil cover over exposed waste resulting from activities in August 2009.*

In order to achieve compliance, Haywood County must, within 14 days, submit, in writing, a plan to address the lack of intermediate soil cover. This plan should be submitted to the Solid Waste Section Permitting Branch, Allen Gaither, at the Asheville Regional Office.

RESPONSE:

The following description/plan of action describes the steps Haywood County intends to undertake to remedy the apparent exposed waste material along the interface tie-in between the existing Phase 2 Landfill Cell and the newly constructed Phase 3 Landfill Cell:

Once the Permit To Operate is received for the Phase 3 Landfill Cell, the County intends to begin activities necessary to permanently remediate the apparent exposed waste material located along the Phase 2/Phase 3 interface. At the present time access to the area in question is somewhat limited and poses safety issues for the landfill staff and therefore only temporary measures have been attempted. In order to safely access the area in question, the County intends to construct a working platform, comprised of waste material and adequate daily cover, within the Phase 3 cell and along the entire length of the Phase 2 tie-in. This platform will provide working room and safe access to the apparent exposed waste along Phase 2. Once the platform within Phase 3 is constructed, waste material will be worked up and against the Phase 2 Landfill Cell to cover the apparent exposed waste as well as provide a gradual slope on which cover material can be placed to adequately cover any exposed waste and allow the controlled run off of stormwater. The County intends to complete all remediation activities associated with this plan of action within sixty (60) days from the date waste placement activities begin in Phase 3. However, additional time may be required depending on the volume and characteristics of the present daily waste stream. It should also be noted that the County may be required to operate two active working faces (Phase 2 and Phase 3) simultaneously due the makeup of the present waste stream. The County presently receives C&D type waste in its daily waste stream and this type of waste material should not be utilized for the construction of the initial layer of waste within a newly activated cell. C&D waste and other types of waste unacceptable for the construction of the initial waste layer will continue to be disposed of in Phase 2 until such time as the initial layer of waste within Phase 3 is complete.

The initial step, after receiving the Permit To Operate, will be to remove a section of the temporary rain cover in Phase 3 along the western-most tie-in with Phase 2. This will be done in order to access the Phase 3 Landfill Cell and begin the placement of waste material in Phase 3 along the interface with Phase 2. The removal of the temporary rain cover will progress to the east as the initial layer of waste material is placed across the designated area. Daily cover will be placed at the end of each day's work, or more often as field conditions dictate. The amount of temporary rain cover to be removed will be determined in the field each day as work progresses. Care will be exercised to ensure the initial layer of waste material does not contain any waste material that may cause damage to the liner system in Phase 3.

Once the initial layer of waste is placed in Phase 3, subsequent layers of waste material will be placed and compacted until such time as the surface of the working platform reaches at least the elevation of the tie-in to Phase 2. Daily cover will be placed at the end of each day's work or more often as field conditions dictate. This will be done along the entire length of the Phase 2/Phase 3 tie-in.

After the working platform is completed in the Phase 3 Landfill Cell, the initial layer of waste material will be placed along the tie-in berm and worked up and against the exposed Phase 2 tie-in slope. Subsequent layers of waste will be placed and compacted against the tie-in to Phase 2 to construct a slope generally matching the existing slope of the Phase 2 Landfill Cell; however, the slope shall be no steeper than two horizontal to one vertical (2:1). Daily cover will be placed at the end of each day's work or more often as field conditions dictate. Once the construction of the slope is complete, adequate cover material will be placed to ensure the complete coverage of waste and measures will be installed to control stormwater runoff.

Sheet 1 of 2, included as an attachment to this description/plan of action, depicts a general layout of the working platform to be initially constructed within the Phase 3 Landfill Cell and the proposed tie-in to the existing exposed edge of the Phase 2 Landfill Cell. Sheet 2 of 2, also included as an attachment to this description/plan of action, depicts a general cross-section of the proposed working platform and subsequent tie-in to the exposed edge of the Phase 2 Landfill Cell. Exact dimensions, elevations and slopes, etc. will be determined in the field as work progresses.

The North Carolina Department of Environment and Natural Resources (NCDENR) will be notified when work on this particular plan of action begins and will be kept updated on the work as it progresses. NCDENR will also be notified when the work is complete.

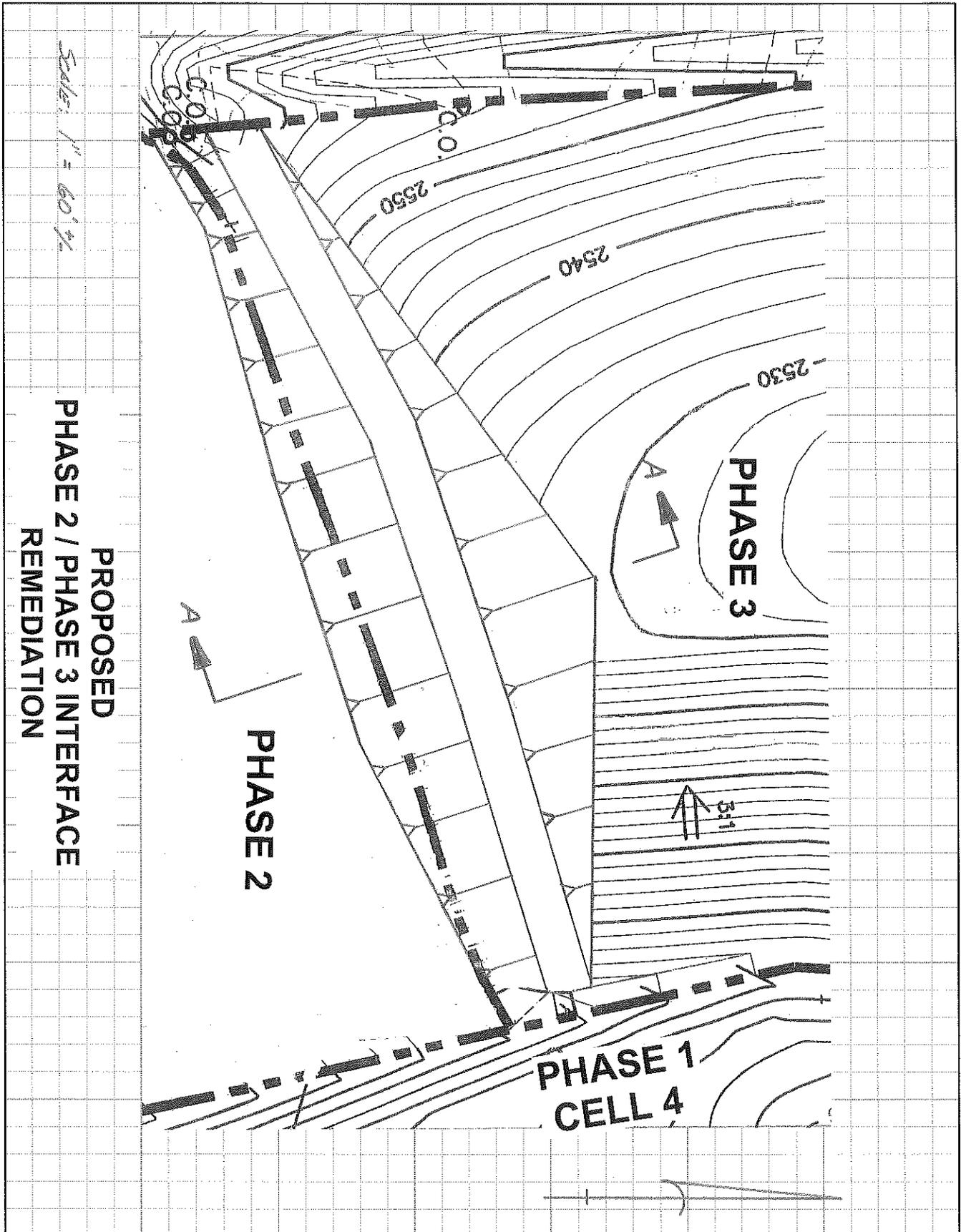
Once this operation has been completed, the County will resume waste disposal operations in the Phase 2 Landfill Cell until such time as available disposal space dictates moving the disposal operation to the Phase 3 Landfill Cell area.



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PROJECT: Haywood County MSW Landfill
PROJECT NO.: 07518
DESCRIPTION: Phase 2 / Phase 3 Interface
CALCULATED BY: WHS CHECKED BY: _____
DATE: 7/2/10 SHEET NO. 1 OF 2





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PROJECT: Haywood County MSW Landfill
 PROJECT NO.: 07518
 DESCRIPTION: SECTION A-A
 CALCULATED BY: WHS CHECKED BY: _____
 DATE: 7/2/10 SHEET NO. 2 OF 2

